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INSTITUTION AND LOCATION	DEGREE	COMPLETION DATE	FIELD OF STUDY
Jomo Kenyatta University of Agriculture & Technology-Kenya	Bachelor of Science	June 2008	Microbiology
Kenya Institute of Management-Kenya	Diploma in Project Management	2011-2012	Project Management
Institute of Plant Science and Resources-Okayama University, Japan.	Research fellow:	December 2012	Genotyping studies
Kenya Institute of Management-Kenya	Certificate in Monitoring & Evaluation	April 2013	Monitoring & Evaluation
Jomo Kenyatta University of Agriculture & Technology-Kenya	Master of Science	June 2013	Immunology
University of Chinese Academy of Sciences Guangzhou Institutes of Biomedicine & Health-China	PhD	August 2017	PhD in Molecular Biology and Biochemistry

B. EMPLOYMENT:

INSTITUTION AND LOCATION	POSITION	START DATE	END DATE
GENOMICS LAB Georg-August-Universität Göttingen (G2L)	Visiting junior research fellow	May 2019	July 2019
University Embu	Lecturer	January 2018	To date
Guangzhou Institutes of Biomedicine and Health-China	PhD research fellow	September 2014	September 2017
Institute of plant Science and Research –Okayama University Japan	Visiting Research Fellow	September 2012 September 2013	December 2012 December 2013
Jomo Kenyatta University of Agriculture & Technology-Kenya	Research Assistant	May 2008	August 2013
Jomo Kenyatta University of Agriculture & Technology-Kenya	Part-time lecturer	September 2013	August 2013

C. Publications

1. Makafe, G. G. Hussain, M., Surineni, G., Tan, Y., Wong, NK., Mugweru, J., ... & Zhang, T. (2019). Quinoline Derivatives Kill Mycobacterium tuberculosis by Activating Glutamate Kinase Cell Chemical Biology Cell Chemical Biology 2451-9456
2. Mugweru, J., Liu, J., Makafe, G., Chiwala, G., Wang, B., Wang, C., ... & Zhang, T. (2018). Mutation EthAW21R confers co-resistance to prothionamide and ethionamide in both Mycobacterium bovis BCG and Mycobacterium tuberculosis H37Rv.

3. Chhotaray, C., Tan, Y., Mugweru, J., Islam, M. M., Hameed, H. A., Wang, S., & Liu, J. (2018). Advances in the development of molecular genetic tools for Mycobacterium tuberculosis. *Journal of Genetics and Genomics*.
4. Mugweru, J, Liu J., Makafe, G., Wang, B., Chiwala, G., Wang, C., Li, X., Tan, Y., Wai W. Y., Tan, S., Zhang, T., (2018). Mutation ethAW21R confers co-resistance to Protionamide and Ethionamide in both M. bovis BCG and M. tuberculosis H37Rv. *Journal of infection and immunity*.
5. Mugweru J, Makafe G, Cao Y, Zhang Y, Wang B, Huang S, Njire M, Chhotaray C, Tan Y, Li X, Liu J, Tan S, Deng J and Zhang T (2017). A Cassette Containing Thiostrepton, Gentamicin Resistance Genes, and dif sequences Is Effective in Construction of Recombinant Mycobacteria. *Front. Microbiol.* 8:468. doi: 10.3389/fmicb.2017.00468
6. Njire, Moses, Na Wang, Bangxing Wang, Yaoju Tan, Xingshan Cai, Yanwen Liu, Julius Mugweru et al. (2017). Pyrazinoic Acid Inhibits a Bifunctional Enzyme in Mycobacterium tuberculosis. *Antimicrobial Agents and Chemotherapy: AAC-00070*
7. Islam, M. M., Hameed, H. A., Mugweru, J., Chhotaray, C., Wang, C., Tan, Y.& Yew, W. W. (2016). Drug resistance mechanisms and novel drug targets for tuberculosis therapy. *Journal of Genetics and Genomics*.
8. Makafe, G. G., Cao, Y., Tan, Y., Julius, M., Liu, Z., Wang, C. & Pang, W. (2016). Oxazolidinone Resistance in Mycobacterium tuberculosis: What is the Role of Cys154Arg Mutation in the Ribosomal Protein L3? *Antimicrobial Agents and Chemotherapy, AAC-00152*.
9. Njire, M., Tan, Y., Mugweru, J., Wang, C., Guo, J., Yew, W., & Zhang, T. (2016). Pyrazinamide resistance in Mycobacterium tuberculosis: Review and update. *Advances in medical sciences*, 61(1), 63-71.
10. Tan, S., Rao, Y., Guo, J., Tan, Y., Cai, X., Kuang, H., Li, Y., Liu, W., Mugweru, J., Wang, B. and Cao, Y., (2016). The influence of pyrazinamide monoresistance on treatment outcomes in tuberculosis patients from Southern China. *Journal of Tuberculosis Research*, 4(01), p.9.
11. Gechemba, O. R., Budambula, N. L., Makonde, H. M., Julius, M., & Matiru, V. N. (2015). Potentially beneficial rhizobacteria associated with banana plants in Juja, Kenya. *Journal of Biodiversity and Environmental Sciences*, 7(2), 181-188.
12. Liu, T., Wang, B., Guo, J., Zhou, Y., Julius, M., Njire, M. & Xu, Y. (2015). Role of folP1 and folP2 genes in the action of sulfamethoxazole and trimethoprim against mycobacteria. *J Microbiol Biotechnol*, 25, 1559-1567.
13. Ouma, S. O., Mugweru, J. L., Ngamau, C. N., & Matiru, V. N. (2015). Evaluation of nitrogen fixation ability of endophytic bacteria in Kenyan bananas (Musa Spp.) using biochemical and molecular techniques
14. Julius, M., Rebecca, W., Francis, K., Vivienne, M., & Muregi, F. W. (2013). Cytokine levels associated with experimental malaria pathology during Plasmodium berghei ANKA infection in a mouse model. *Journal of Clinical Immunology and Immunopathology Research*, 5(1), 1-8.

D. Awards

1. 2017: GIBH优秀学生奖学金二等奖
2. 2017:来华优秀留学生
3. 2014: UCAS留学生奖学金() (三年)
4. 2012–2013: Research fellow: Institute of Plant Science and Resources-Okayama University, Japan.
5. 2011: One year fellowship support by the World Federation of Scientists (WFS)

E. Referees

1. Dr. Romano Mwirichia
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